

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

April 25, 2005

TO: Internal File

THRU: Wayne Hedberg, Permit Supervisor

FROM: Wayne H. Western, Environmental Scientist III

RE: Sloped Road Sheet Flow Design, Canyon Fuel Company, LLC, Dugout Canyon Mine, C/007/0039, Task ID #2225

SUMMARY:

On April 25, 2005, the Permittee request approval to replace a road swell with a regareded that would direct surface flow to the sediment pond. The surface flow will be directed to a ripraped discharged point.

On April 25, 2005, the Permittee requested approval to replace a seriously damaged section of access road leading to the mine. This section historically contained a swale (runoff diversion feature) that will be replaced with a regraded section (@3% slope). The regraded section will direct surface runoff from the road to a ditch leading to an existing rip-rapped channel that empties into an adjacent sediment pond.

The repair work is necessary to correct the design problem that has caused axle damage to the heavy haul trucks traveling over this feature. The dilapidated condition of this road section now presents a significant public safety concern to all vehicles accessing the mine site warranting immediate attention.

The amendment and this memo do not require any changes to the TA.

TECHNICAL MEMO

TECHNICAL ANALYSIS:

OPERATION PLAN

ROAD SYSTEMS AND OTHER TRANSPORTATION FACILITIES

Regulatory Reference: 30 CFR Sec. 784.24, 817.150, 817.151; R645-301-521, -301-527, -301-534, -301-732.

Analysis:

Road Classification System

Plans and Drawings

The Permittee will remove an existing swale in the access road and replace it with a sloped section that will direct surface water to an existing rip-rapped discharge channel leading to a sediment pond. The designs have been certified by a professional engineer. The Permittee commits to provide as-built design drawings within 2 weeks after the work is completed.

Findings:

The Permittee has met the minimum requirements for this section of the regulations.

RECLAMATION PLAN

BONDING AND INSURANCE REQUIREMENTS

Regulatory Reference: 30 CFR Sec. 800; R645-301-800, et seq.

Analysis:

Determination of Bond Amount

The minor change from a swale to a sloped road section will not change the reclamation plan.

Findings:

The Permittee has met the minimum requirements for this section of the regulations.

RECOMMENDATIONS:

The Division should approve the amendment.